

ColSF 14.5 VI



**Region 10
Superfund**
September 18, 1990

Colbert Landfill Fact Sheet

Colbert, Washington

This fact sheet is an update on the work being conducted by Spokane County at the Colbert Landfill. In addition, it will address some the questions raised during the public meeting held on August 21, 1990.

Pilot Treatment System

Under the 1989 consent decree signed by the U.S. Environmental Protection Agency (EPA), the Washington Department of Ecology (Ecology), and Spokane County, the County is required to design and construct a groundwater treatment system. This system will treat the groundwater contaminated by the landfill.

Over the past year, the County constructed thirty monitoring wells and four extraction wells which will be hooked up to a movable pilot treatment plant. The pilot treatment plant consists of 40 foot air stripping tower and accompanying equipment which is designed to pump at a rate of 200 gallons per minute. The contaminated groundwater will be pumped to the top of the tower and allowed to trickle downward through honeycombed packing material as air is forced up from the bottom of the tower. The treated water is then discharged. Both the air and water leaving the pilot system will be monitored to gather data that will used in designing the permanent system.

The pilot treatment plant will be located at a site at the corner of Woolard and Yale roads for testing the extraction well in this area and then moved to the landfill site for testing the northern extraction wells. The operation of this system will begin in late October 1990 and will run throughout the winter months.
(See map on page 2)

Data gained during the pilot test will:

- provide information on the feasibility of this treatment process;
- provide information to determine what size the final system will need to be;
- determine what affect weather in the Colbert area may have on the system;
- determine what affect, if any, the pump and treatment system will have on private wells in the area;
- determine the pumping rates for the final system and operation limits on the aquifer and
- determine if there will be any air quality affects.

After the water from the extraction wells located near the landfill is treated, it will be discharged into a underground pipeline that discharges into the Little Spokane River. The treated water from the pilot study at Yale and Woolard Roads will be discharged to a drainfield as a temporary measure. All treated water from the permanent system will be piped to the river as shown on the map.

Schedule of Activities

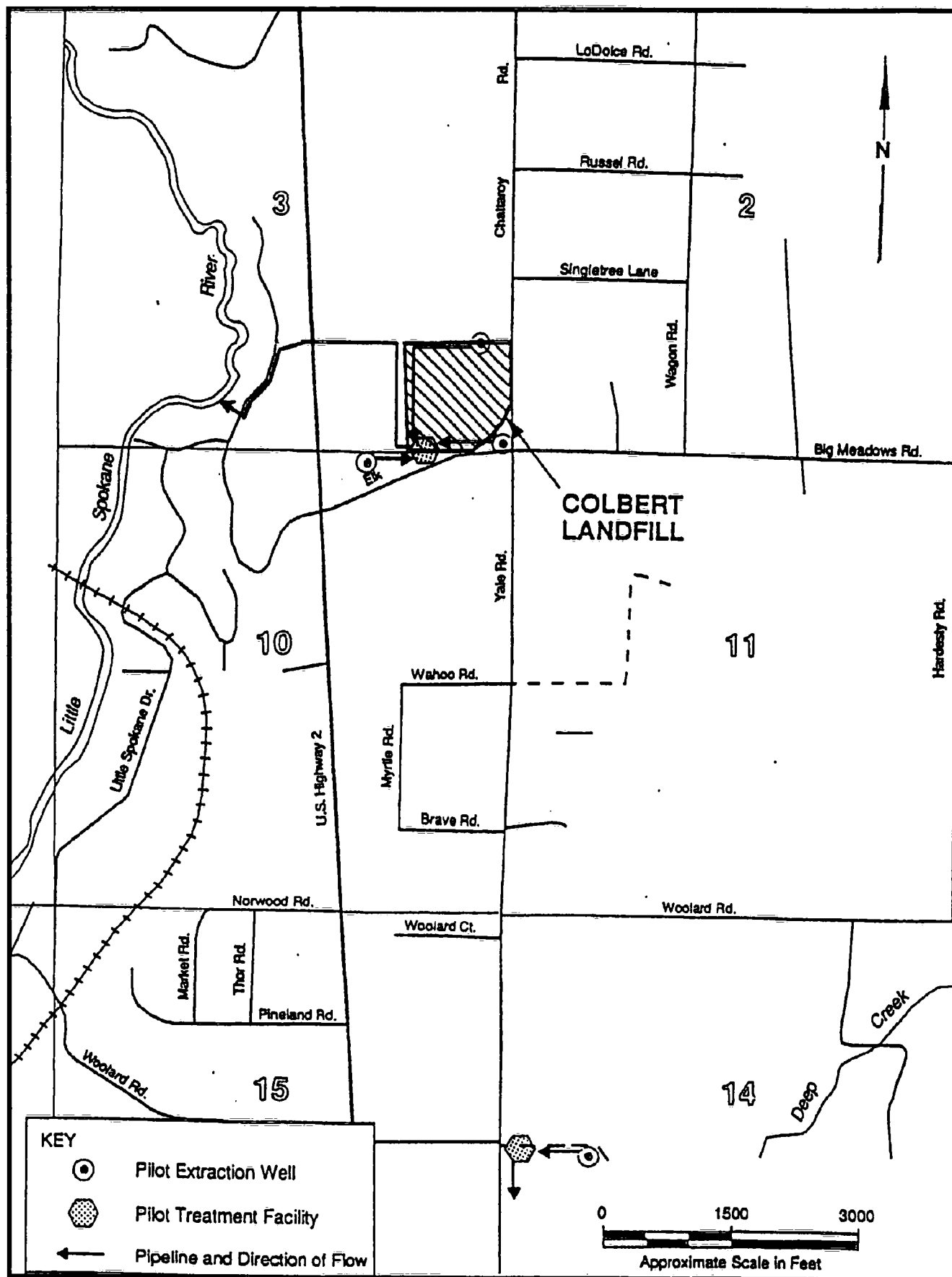
Dates

| | |
|---|-------------------------------|
| Installation and start up of the Pilot treatment system | October 1990 |
| Operation of Pilot treatment system | October 1990 to February 1991 |
| Engineering Report on the Pilot Treatment Study | Summer 1991 |
| Design of final system | Fall 1992 |
| Construction of final system | Summer 1993 |



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Phase I Pilot Study System Schematic



Domestic Well Monitoring Program

This program is designed to monitor the residential drinking water in the area around the Colbert Landfill. This monitoring program serves two purposes:

- to ensure that no one is risking their health by drinking contaminated water from their private wells, and
- information from certain private wells may be important in assisting in the location of the extraction wells.

Data on the water quality in this area has been gathered since 1980. As more becomes known about the groundwater contamination, changes in the Domestic Well Monitoring Program can be made. The County and the Sample Program Advisory Committee are currently revising the existing program. EPA and Ecology must review and approve any changes to the scope or objectives of this monitoring program to ensure the requirements of the Consent Decree are met.

Announcements

The next meeting of the Colbert Landfill Cleanup Action Committee will be **September 26, 1990** at the home of (b) (6) at 7:00 pm. This committee welcomes citizens in the Colbert area to attend and discuss concerns and issues regarding the Colbert cleanup. This committee works closely with the agencies to make sure your concerns are heard and addressed. For more information please call (b) (6) in the evenings.

For More Information:

The following people are contacts for the Colbert Landfill project:

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